

Curriculum vitae

Name: Daniel Tonoiu

Date of birth: January 11, 1978

Place of birth: Curtea de Arges, Romania

Nationality: Romanian

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Education

2008 – 2014 University of Bucharest, Romania

PhD - Physics (2014)

2001 – 2003 University of Bucharest, Romania

MSc – Physics (2003)

1996-2001 University of Bucharest, Romania

BSc - Physics (2001)

Employment history

2012 – 2016: scientific researcher (CS3), Institute of Space Science, Bucharest-Magurele, Romania

2004 – 2006: scientific researcher – research scholarship, National Institute of Nuclear Physics, Perugia – Italy

2003 – 2012: junior researcher (CS), Institute of Space Science, Bucharest-Magurele, Romania

2001 – 2003: research assistant (AC), Institute of Space Science, Bucharest-Magurele, Romania

Professional activity

Software development of a flight software package aiming to simulate the flow of scientific and slow control data for an on-board instrument compliant with the ESA and ECSS requirements.

Software development for a lossless space data compression algorithm for Leon processors, L3Obis ESA project.

Scientific exploitation of Planck-LFI data, software development for combining multiple cosmological data sets, documentation and dissemination of the scientific results.

Software development for the correction of the transient response of the Ge-Ga photoconductors detectors, used in Herschel and Astro-F experiments.

Study of High Speed Streams in solar wind.

Research activity in the framework of the CMS (Compact Muon Solenoid) project (CMS Tracker); Microstrip silicon detector qualification; silicon tracker integration and testing.